

- TERMIMAL LOCATED IN EMERGENCY SWITCHBOARD BY SHIPYARD
- TERMIMAL LOCATED IN NEWAGE ALTERNATOR
- MAIN STUD LOCATED IN NEWAGE ALTERNATOR
- INDICATES SHIPYARD WIRING
 - INDICATES GENERATOR/PPPC WIRING

SHIPYARD INSTALLATION DATA

VOLTAGE REGULATION

- 1. DECS100, MVC300, DROOP CT PROVIDED BY PPPC AS SHIP LOOSE ITEMS TO BE INSTALLED BY SHIPYARD IN EMERGENCY SWITCHBOARD.

- 2. SHIPYARD TO SUPPLY ALL INTERCONNECT WIRING.

 3. CONNECTION STUDS LOCATED IN GENERATOR LEAD CONNECTION BOX
 (REFERENCE DRAWING 8-6176206-G1
- 4. VOLTAGE REGULATOR MALFUNCTION ALARM CONTACTS TO BE CONNECTED TO SHIPS AMS SYSTEM REFERENCE ALARM LIST ON DRAWING
- 1-77270-100. ACTUAL CONNECTION TO BE TO THE EMERGENCY
 SWITCHBOARD TO BE PART OF THE ETHERNET PLC DATA STREAM.

 5. RECOMMEND DROOP CT BE MOUNTED IN EMERGENCY SWITCHBOARD IN
 THE VICINTIY OF THE VOLTAGE REGULATOR BY SHIPYARD.

 6. THE DECS-100 MUST BE HARD-WIRED TO EARTH GROUND WITH NO
- SMALLER THAN 12 AWG COPPER WIRE ATTACHED TO THE GROUND TERMINAL ON THE REAR OF THE UNIT CASE. A SEPARATE GROUND CONNECTION IS REQUIRED FOR EACH DECS-100 UNIT.
- 7. ALL CONTROL WIRING TO BE A MINIMUM OF 14 AWG. 8. REFER TO DRAWING 8-617206-E1 FOR COMPLETE INTERFACE.

NOTES

ABBREVIATIONS:

PPPC - PACIFIC POWER PRODUCTS COMPANY MVC - MANUAL VOLTAGE CONTROL DECS - DIGITAL EXCITATION CONTROL SYSTEM

CT - CURRENT TRANSFORMER

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				DRAWING: VOLTAGE REGULATOR SCHEMATIC
			Pacific	SHIP SERVICE GENERATORS
				PROJECT: WASHINGTON STATE FERRIES 144 CAR,
Ε	5-15-06	RAB	Power Products	SHIP SERVICE GENERATORS
D	5-8-06	RAB	7215 SOUTH 228TH STREET, KENT, WA 98037	ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
C	3-20-06	RAB	PH. (253) 854-0505 * FAX (253) 850-2631	DATE SHEET 1 OF 1 SCALE: NONE
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